programmes for replicating it in their respective states. The various institutes of Council located in different agro-climatic regions of the country disseminate their research findings to State Governments, through research reports, publications, bulletins and leaflets in local languages.

Impact of climatic change on agriculture

*3686. SHRI RUDRA NARAYAN PANY: Will the Minister of AGRICULTURE be pleased to state:

(a) whether 'climate change' has started affecting agricultural production of the country;

(b) if so, the details thereof of the last three years; and

(c) the measures being contemplated by Government to tackle this serious problem?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (PROF. K.V. THOMAS): (a) and (b) The agriculture production especially for foodgrains increased in the past three years which is evident from the following.

Year	Target (million tons)	Achievements (million tones)
2006-07	220.00	217.27
2007-08	221.50	230.77
2008-09	233.00	233.87

(c) During Eleventh Plan the Indian Council of Agricultural Research has initiated research project to monitor climate change impacts through a network project entitled National Project on Climate Change (NPCC) involving State Agricultural Universities and ICAR Institutes. Under this project, Climate change impacts on rice, wheat, pulses, horticulture, livestock and fisheries are being studied. The measures contemplated by the Council consist of both (i) Mitigation strategies like advancing dates of sowing of kharif crops, conversion of C3 plants to C4 in rice, methane emission reduction in livestock, shelter management, promotion of resource conservation strategies, and better utilization of weather forecasts in crop production, and (ii) The Adaptation strategies to develop short duration and temperature tolerant crop varieties during rabi.

In addition to the above initiative of ICAR, the Government of India has prepared the National Action Plan on Climate Change (NAPCC) under which 8 national missions are formed to address the impacts of Climate Change on agriculture, energy and water resources.

Famine situation in country

†3687. SHRI Y. P. TRIVEDI: Will the Minister of AGRICULTURE be pleased to state:

†Original notice of the question was received in Hindi.